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U.S. Nuclear Regulatory Commission  
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Subject: Duke Energy Corporation  
Catawba Nuclear Station, Units 1 and 2  
Docket Nos. 50-413 and 50-414  
Technical Specification Bases Changes

Pursuant to 10CFR 50.4, please find attached changes to the Catawba Nuclear Station Technical Specification Bases. These Bases changes were made according to the provisions of 10CFR 50.59.

Any questions regarding this information should be directed to A. P. Jackson, Regulatory Compliance, at (803) 831-3742.

I certify that I am a duly authorized officer of Duke Energy Corporation and that the information contained herein accurately represents changes made to the Technical Specification Bases since the previous submittal.

Gary R. Peterson

Attachment

A001

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xc: L. A. Reyes, Regional Administrator  
U. S. Nuclear Regulatory Commission, Region II

C. P. Patel, Project Manager  
U.S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation, Mail Stop 0-8 H12

D. J. Roberts  
Senior Resident Inspector  
Catawba Nuclear Station

BASES

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SURVEILLANCE REQUIREMENTS (continued)

SR 3.4.15.2

SR 3.4.15.2 requires the performance of a COT on the required containment atmosphere radioactivity monitor. The test ensures that the monitor can perform its function in the desired manner. The test verifies the alarm setpoint and relative accuracy of the instrument string. The COT is relative to the detection of radioactivity indicative of a 1 gpm RCS leak, within one hour of leakage onset. The COT does not verify automatic actions associated with high radioactivity on the applicable channels. The Frequency of 92 days considers instrument reliability, and operating experience has shown that it is proper for detecting degradation.

SR 3.4.15.3, SR 3.4.15.4, and SR 3.4.15.5

These SRs require the performance of a CHANNEL CALIBRATION for each of the RCS leakage detection instrumentation channels. The calibration verifies the accuracy of the instrument string, including the instruments located inside containment. The Frequency of 18 months is a typical refueling cycle and considers channel reliability. Again, operating experience has proven that this Frequency is acceptable.

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REFERENCES

1. 10 CFR 50, Appendix A, Section IV, GDC 30.
2. Regulatory Guide 1.45.
3. UFSAR, Section 5.2.5.
4. 10 CFR 50.36, Technical Specifications, (c)(2)(ii).